

STATEMENT OF BASIS (AI No. 9503)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0114324 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Community Coffee Company, LLC
 Port Allen Plant
 1833 Louisiana Highway 1 South
 Port Allen, LA 70767

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
 Office of Environmental Services
 Post Office Box 4313
 Baton Rouge, Louisiana 70821-4313

PREPARED BY: Kelli Hamilton

DATE PREPARED: June 13, 2007

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permit - LPDES permit effective date: July 1, 2002
 LPDES permit expiration date: June 30, 2007
 EPA has not retained enforcement authority.

C. Date Application Received: December 21, 2006

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - coffee roasting facility

Community Coffee Company is located at 1833 Louisiana State Highway 1, South in Port Allen. Community Coffee is primarily a green coffee bean roasting facility that handles approximately 10,000 tons of green coffee beans annually. Prior to roasting, green coffee beans are unloaded from trucks and stored in the interior of the facility. The green coffee beans are roasted in natural gas fired ovens with the only additive being water to quench the beans at the completion of the roasting process. Occasionally, the roaster ovens are emptied and rinsed with water, which is less than 100 gpd and routed directly to the sanitary wastewater collection piping and then to the on-site wastewater treatment plant where it undergoes biological treatment and disinfection prior to being discharged. Periodically flavoring is added to the roasted beans prior to packaging, which involves the dispensing of a food-grade flavor additive to the roasted coffee beans.

Statement of Basis for
Community Coffee Company, LLC, Port Allen Plant
LA0114324, AI No. 9503
Page 2

Upon completion of the flavoring process the equipment is rinsed with water. Transporting of coffee beans is conducted on the south side of the facility, and conducted under roof. The fueling and servicing of transport vehicles is not conducted at the facility. Washing of transport vehicles is conducted at the facility by an independent contractor who collects all wash water with a transportable containment boom and pad.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II
3. Wastewater Type: III
4. SIC code: 2095

C. LOCATION - 1833 Louisiana Highway 1 South in Port Allen, West Baton Rouge Parish Latitude 30°26'17", Longitude 91°12'26"

3. OUTFALL INFORMATION

Outfall 001

Discharge Type: treated sanitary wastewater, and roaster equipment rinse water

Treatment: packaged mechanical treatment plant, with aeration chamber, settling tank and chlorine contact chamber

Location: at the point of discharge from the sanitary treatment system (Latitude 30°26'16", Longitude 91°12'25")

Flow: 2,000 gpd

Discharge Route: an unnamed ditch, thence into the Intracoastal Waterway

Outfall 002

Discharge Type: stormwater runoff and flavoring equipment rinse water

Treatment: none

Location: at the point of discharge from the ditch located on the east side of the facility (Latitude 30°26'17", Longitude 91°12'22")

Flow: stormwater - intermittent; rinse water - 100 gpd

Discharge Route: an unnamed ditch, thence into the Intracoastal Waterway

4. RECEIVING WATERS

STREAM - unnamed ditch, thence into the Intracoastal Waterway

BASIN AND SEGMENT - Terrebonne Basin, Segment 120109

DESIGNATED USES - a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife
d. drinking water supply

Statement of Basis for
 Community Coffee Company, LLC, Port Allen Plant
 LA0114324, AI No. 9503
 Page 3

5. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale below.

Summary of Proposed Changes From the Current LPDES Permit: None

6. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

No records of recent compliance actions were found.

B. DMR Review/Excursions - DMRs were reviewed from January 2005 to December 2006. The excursions are as follows:

<u>Date</u>	<u>Parameter</u>	<u>Outfall</u>	<u>Reported Value</u>	<u>Permit Limits</u>
3/05	TSS	002	164	45
12/05	Fecal Coliform	001	910	400
12/05	TSS	001	56	45
12/06	TSS	001	46.3	45
12/06	TSS	002	53	45

7. EXISTING EFFLUENT LIMITS

Outfall 001 -		Outfall 002 -	
BOD	--:45 mg/l	TOC	--:50 mg/l
TSS	--:45 mg/l	TSS	--:45 mg/l
Fecal Coliform	--:400 clnies/100ml	Oil and Grease	--:15 mg/l
pH	6-9	pH	6-9

8. ENDANGERED SPECIES

The receiving waterbody, Subsegment 120109 of the Terrebonne Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated September 29, 2006 from Watson (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

Statement of Basis for
Community Coffee Company, LLC, Port Allen Plant
LA0114324, AI No. 9503
Page 4

9. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

10. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

11. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

12. STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water discharges shall not be required to obtain and LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC codes 2095 are considered to have storm water discharges associated with industrial activity.

The SWP3 shall be prepared, implemented, and maintained within (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in the storm water discharges associated with industrial activity at the facility (see Narrative Requirements for the AI).

Statement of Basis for
 Community Coffee Company, LLC, Port Allen Plant
 LA0114324, AI No. 9503
 Page 5

Rationale for Community Coffee Company, LLC

1. **Outfall 001** treated sanitary wastewater, and roaster equipment rinse water (estimated flow is 2,000 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Weekly Avg. (mg/l)	<u>Reference</u>
Flow	Report:Report	See limits justification (2) below
BOD ₅	--:45	See limits justification (1),(2) below
TSS	--:45	See limits justification (1),(2) below
Fecal Coliform	---:400	See limits justification (1),(2) below
pH (s.u.)	6.0:9.0 (min:max)	See limits justification (2) below

Treatment: packaged mechanical treatment plant, with aeration chamber, settling tank and chlorine contact chamber

Monitoring Frequency: All parameters shall be monitored once per six (6) months in accordance with the current permitting practices for similar outfalls.

Limits Justification:

- 1) Sanitary wastewater regulated in accordance with LAC 33:IX.711 or LAC 33:IX.709.B - Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which expresses BOD₅ and TSS in terms of concentration. Fecal Coliform limits have been set as per LAC 33:IX.1113.C.5.
 - 2) BPJ utilizing the LPDES Class I Sanitary General Permit
2. **Outfall 002** stormwater runoff and flavoring equipment rinse water (estimated flow stormwater - intermittent; rinse water - 100 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (mg/l)	<u>Reference</u>
Flow	Report:Report	See limits justification*
TOC	---: 50	See limits justification*
TSS	---: 45	See limits justification*
Oil&Grease	---: 15	See limits justification*
pH (s.u.)	6.0: 9.0 (min:max)	See limits justification*

Treatment: none

Statement of Basis for
Community Coffee Company, LLC, Port Allen Plant
LA0114324, AI No. 9503
Page 6

Monitoring Frequency: 1/quarter

Limits Justification: permitted based on previous permit and current guidance for similar discharges.

* Existing permits for similar outfalls
BPJ Best Professional Judgement
su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

TMDL Waterbodies

Subsegment 120109 is listed on LDEQ's Final 2004 303(d) List as impaired for nutrients (EPA - Category 5), organic enrichment/low DO (EPA - Category 5), and pathogen indicators. To date no TMDL's have been completed for this subsegment. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDL's for the Terrebonne Basin, those suspected causes for impairment which are not directly attributed to the coffee roasting point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated. Therefore, for the purposes of this permit, nutrients, organic enrichment/low DO, and pathogen indicators will be addressed in a manner consistent with the Department's permitting guidance for implementing Louisiana's surface water quality standards as follows:

Nutrients

LDEQ's position, as stated in the declaratory ruling issued by Dale Givens regarding water quality criteria for nutrients (Sierra Club v. Givens, 710 So.2d 249 (La. App. 1st Cir. 1997)m writ denied, 705 So.2d 1106 (La. 1998)), is that when oxygen demanding substances are controlled and limited in order to ensure that the dissolved oxygen criterion is supported, nutrients are also controlled and limited. Dissolved oxygen will be controlled by the BOD limit.

Organic enrichment/low DO

To protect against the further impairment of the organic enrichment/low DO impairment cause, a BOD limit will be placed on Outfall 001 and COD limit will be placed on Outfall 002 in the permit.

Pathogen Indicators

A fecal coliform limit has been established in accordance with sanitary discharges.